

20091015.ba v04\_n292.bam.20091015

>From ???@??? Thu Oct 15 23:18:45 2009 -0600  
Date: Thu, 15 Oct 2009 22:17:44 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 4292  
Message-Id: <20091016041746.564E8D58BB@srvr1.theporch.com>

BOATANCHORS Digest 4292

Topics covered in this issue include:

- 1) RE: ARRL Antenna Handbook data -- data received!  
by John Sehring <wb0eq@yahoo.com>
- 2) Re: ARRL Antenna Handbook data  
by "Brian Clarke" <brianclarke01@optusnet.com.au>
- 3) Re: ARRL Antenna Handbook data  
by Rhett George <rtg@ee.duke.edu>
- 4) Willing to proof read?  
by John Sehring <wb0eq@yahoo.com>
- 5) TMC-GPR90  
by "Guido" <laffitte@prtc.net>
- 6) Re: TMC-GPR90  
by Heinz Breuer <hbreuer@debitel.net>
- 7) Re: TMC-GPR90  
by wb3fau@att.net
- 8) Re: TMC-GPR90  
by "P.J. Rovero" <provero@ct.metrocast.net>
- 9) Re: TMC-GPR90  
by WA5CAB@cs.com
- 10) "Geezers"  
by "KEN" <n5cm@rtconline.com>
- 11) Re: TMC-GPR90  
by "Guido" <laffitte@prtc.net>
- 12) RE: TMC-GPR90  
by "Singley, Rodger" <rbsingl@ilstu.edu>
- 13) Re: TMC-GPR90  
by John Poulton <jp@cs.unc.edu>
- 14) Re: TMC-GPR90  
by wb3fau@att.net
- 15) Thank You, Mr. R-390 THIEF  
by "David Stinson" <arc5@ix.netcom.com>
- 16) BC-186  
by Al Klase <al@ar88.net>
- 17) R-388 Meter Problem  
by "Michael Hardie" <mike46@shaw.ca>
- 18) Re: R-388 Meter Problem

by Al Klase <al@ar88.net>  
19) LOOKING FOR NC-100A  
by "WA3GIN" <wa3gin@comcast.net>  
20) R-388 Meter Problem 2  
by "Michael Hardie" <mike46@shaw.ca>  
21) Re: R-388 Meter Problem 2  
by spr@earthlink.net  
22) Re: R-388 Meter Problem 2  
by Al Klase <al@ar88.net>  
23) Re: R-388 Meter Problem 2  
by mac <w7qho@aol.com>

---

Message-ID: <214689.78081.qm@web45610.mail.sp1.yahoo.com>  
Date: Mon, 12 Oct 2009 16:31:50 -0700 (PDT)  
From: John Sehring <wb0eq@yahoo.com>  
Subject: RE: ARRL Antenna Handbook data -- data received!  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Thanks to Richard, who emailed me a .jpg of just what I needed! What a great group!

My year 2000 ARRL Ant. Hdbk has been wrapped in plastic since I bought in 2001! I just opened it up. So, it's "new" to me, but I will eventually buy the latest one.

BTW, have spent a large amount of time modeling the 3 and 4 element 10m Yagi's using EZNEC. They look excellent on the computer & will probably be excellent on the air. It appears to me that they've been thoroughly optimized.

I've been doing this sort of thing since 1987 so I hope I've learned how to do a decent job of antenna modeling!

73 from John WB0EQ/VE6

---

Message-ID: <AF8FACA846054C89A48E4C4C412B87A2@WORKSHOP>  
From: "Brian Clarke" <brianclarke01@optusnet.com.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ARRL Antenna Handbook data  
Date: Tue, 13 Oct 2009 17:44:20 +1100  
MIME-Version: 1.0

Content-Type: text/plain;  
format=flowed;  
charset="iso-8859-1";  
reply-type=response  
Content-Transfer-Encoding: 7bit

You could say the same about the gun - and be just as wrong. It is the human intention and usage, not the machine that makes the criminal act.

73 de Brian, VK2GCE.

----- Original Message -----

From: "mac" <w7qho@aol.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Tuesday, October 13, 2009 8:40 AM

Subject: Re: ARRL Antenna Handbook data

> Alas, the Xerox machine and it's spawn have made criminals of us

> all.....

>

> Dennis D. W7QHO

> Glendale, CA

>

>

>

> On Oct 12, 2009, at 2:21 PM, Brian Clarke wrote:

>

>> I believe that this book is still within its copyright period. Please  
>> have a careful look at copyright law before you copy any material -  
>> whether you sell that copy or not. I think you may find that both the  
>> copier and the person who receives the copy may be indictable. Be  
>> careful.

>> 73 de Brian, VK2GCE.

>>

>> ----- Original Message ----- From: "John Sehring" <wb0eq@yahoo.com>

>> To: "Old Tube Radios" <boatanchors@theporch.com>

>> Sent: Tuesday, October 13, 2009 5:26 AM

>> Subject: ARRL Antenna Handbook data

>>

>>

>>> Favor please?

>>>

>>> My ARRL Antenna Handbook is from 2000. It doesn't contain the latest  
>>> data on Yagi antennas that the newest or newer versions have.

>>> Specifically, in Chapter 11, there're 10m Yagi designs for 2 elements  
>>> and up.

>>>

>>> In my older Handbook, the 2-element 10m version is missing. Could

>>> someone scan or transcribe the data for it & send it to me?  
>>>  
>>> Please reply off list. Thanks & happy Thanksgiving!  
>>>  
>>> --John WB0EQ  
>>>  
>>>  
>>>  
>>>  
>>  
>  
>

-----  
Date: Tue, 13 Oct 2009 12:12:43 -0400  
From: Rhett George <rtg@ee.duke.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ARRL Antenna Handbook data  
Message-ID: <20091013161243.GC6098@ee.duke.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Tue, Oct 13, 2009 at 05:44:20PM +1100, Brian Clarke wrote:  
> You could say the same about the gun - and be just as wrong. It is the  
> human intention and usage, not the machine that makes the criminal act.  
> 73 de Brian, VK2GCE.  
>  
>  
- Greetings -

This brings to mind that scourge of the Alamo, particularly his last clause.

"Manifesto by General Antonio Lopez de Santa Anna, ca 1837

"How could I divert the sword of justice from their heads without making it fall upon my own? Let it be said, if you want, I confess that it is not my opinion that the law was unjust, but can there be no greater blindness than to impute the crime to the dagger and not to the hand that wields it?"

73 Rhett KE4HIH

-----  
Message-ID: <617785.91964.qm@web45613.mail.sp1.yahoo.com>  
Date: Tue, 13 Oct 2009 14:21:47 -0700 (PDT)  
From: John Sehring <wb0eq@yahoo.com>  
Subject: Willing to proof read?  
To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello All,

I'm working on an article for QST/QEX. It involves a bit of antenna theory, Yagi antenna designs, and the use of EZNEC for antenna modeling.

I'd welcome those interested to review this article for me. There's a LOT of accumulated wisdom here & I'd appreciate the opportunity to include that!

Pse email me off list if interested.

Thanks so much.

--John WB0EQ/VE6

-----  
Message-ID: <001401ca4c61\$7bdcd850\$4400000a@CPQ10443900021>  
From: "Guido" <laffitte@prtc.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: TMC-GPR90  
Date: Tue, 13 Oct 2009 20:01:29 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
    format=flowed;  
    charset="iso-8859-1";  
    reply-type=response  
Content-Transfer-Encoding: 7bit

A stroke of luck allowed a GPR 90 to follow me home today. I never thought that I would see one in this island but your never know. It is complete with cabinet and only one cabinet foot is missing. Now, it is not beautiful and needs a lot of TLC so any recommendations on this one will be welcome. I am just cleaning it right now. I could not let it go for 40 green ones at a used things store.

Best 73s  
Guido Santacana KP4FAR

-----  
Message-ID: <4AD517FF.7070407@debitel.net>  
Date: Wed, 14 Oct 2009 02:14:55 +0200  
From: Heinz Breuer <hbreuer@debitel.net>  
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: TMC-GPR90  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

A great find . You should go out again and buy a lottery ticket today.

73 de Heinz DH2FA, KM5VT

Guido schrieb:

> A stroke of luck allowed a GPR 90 to follow me home today. I never  
> thought that I would see one in this island but your never know. It is  
> complete with cabinet and only one cabinet foot is missing. Now, it is  
> not beautiful and needs a lot of TLC so any recommendations on this one  
> will be welcome. I am just cleaning it right now. I could not let it go  
> for 40 green ones at a used things store.

>

> Best 73s

> Guido Santacana KP4FAR

>

>

-----  
From: wb3fau@att.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Guido" <laffitte@prtc.net>  
Subject: Re: TMC-GPR90  
Date: Wed, 14 Oct 2009 00:28:01 +0000  
Message-Id:  
<101420090028.25917.4AD51B11000761CD00000653D22230703729B0A02D29B9B0EBF9A0E00CC0D99  
@att.net>

for \$40? Geez Guido, what a find! very nice general coverage receiver a true  
boat-anchor.

Now, you need to find the the companion transmitter- GPT-750! Russ.

-----  
MIME-Version: 1.0  
Message-ID: <61930.1255482618@ct.metrocast.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: text/plain; charset="utf-8"  
Date: Tue, 13 Oct 2009 21:10:18 -0400  
Subject: Re: TMC-GPR90

From: "P.J. Rovero" <provero@ct.metrocast.net>  
Content-Transfer-Encoding: quoted-printable

Guido,

A decent manual for it will probably cost more than the radio!

Congratulations....

P.J. "Josh" Rovero                      Ham Radio: KK1D  
ABC: 9277                                  1985 BMW R80RT  
Web:        <http://www.roveroresearch.org>

On Tue 10/13/09 20:01 , "Guido" laffitte@prtc.net sent:  
> A stroke of luck allowed a GPR 90 to follow me home today.=20

-----  
From: WA5CAB@cs.com  
Message-ID: <bbb.5b106d6f.380695ea@cs.com>  
Date: Tue, 13 Oct 2009 22:48:10 EDT  
Subject: Re: TMC-GPR90  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="part1\_bbb.5b106d6f.380695ea\_boundary"

--part1\_bbb.5b106d6f.380695ea\_boundary  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Actually, not quite. :-) \$18.00 plus shipping for reprint of the basic plain vanilla GPR-90 manual. If I understood correctly that you got the radio for \$40, that was a find.

In a message dated 10/13/2009 8:11:04 PM Central Daylight Time, provero@ct.metrocast.net writes:

> Guido,  
>  
> A decent manual for it will probably cost more than the radio!  
>  
> Congratulations....  
>  
> P.J. "Josh" Rovero                      Ham Radio: KK1D  
> ABC: 9277                                  1985 BMW R80RT  
> Web:        <http://www.roveroresearch.org>  
>  
> On Tue 10/13/09 20:01 , "Guido" laffitte@prtc.net sent:

> >A stroke of luck allowed a GPR 90 to follow me home today.

Robert & Susan Downs - Houston  
wa5cab dot com (Web Store)  
MVPA 9480

--part1\_bbb.5b106d6f.380695ea\_boundary  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1\_bbb.5b106d6f.380695ea\_boundary--

-----  
Message-ID: <000601ca4cbf5f5e572c0\$020fa8c0@yourb27fb1c401>  
From: "KEN" <n5cm@rtconline.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: "Geezers"  
Date: Wed, 14 Oct 2009 06:17:47 -0500  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_0003\_01CA4C96.0C938400"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0003\_01CA4C96.0C938400  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Folks,

Someone sent a good "funny" story about "Geezers"!

I have lost it. Will that person please repeat it for me?

Take care,

Ken N5CM



-----=\_NextPart\_000\_0003\_01CA4C96.0C938400  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_NextPart\_000\_0003\_01CA4C96.0C938400--

-----  
Message-ID: <003e01ca4cd8\$159a96a0\$4400000a@CPQ10443900021>  
From: "Guido" <laffitte@prtc.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: TMC-GPR90  
Date: Wed, 14 Oct 2009 10:10:27 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
 format=flowed;  
 charset="utf-8";  
 reply-type=original  
Content-Transfer-Encoding: 7bit

Thanks all for the nice comments. I cleaned the GPR yesterday and found a major problem. The power transformer primary is shorted. The transformer was tested with tubes out and a variac to bring it up carefully. Even at less than 90AC it started to blow out the 2 amp fuse. This transformer is a 275-0275 at 100ma, 5V at 3amps and 6V at 5.65A. Anyone got something similar before I plunge into a new one?

And it was such a nice find!

Best 73s

Guido KP4FAR

-----  
Content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="utf-8"  
Content-Transfer-Encoding: base64  
Subject: RE: TMC-GPR90  
Date: Wed, 14 Oct 2009 09:28:00 -0500  
Message-ID: <AA28191F88740543A764089198FF86DEB0352D@COBEXCHANGE.ad.ilstu.edu>  
From: "Singley, Rodger" <rbsingl@ilstu.edu>

To: Old Tube Radios <boatanchors@theporch.com>

R3VpZG8sDQoNC1RoZXJlIGFyZSBhIG51bWJlciBvZiBieXBhc3MgY2FwcyBvbiB0aGUgZmlsYW1lbnQgbGluZSB0byBncm91bmQ7IG1ha2Ugc3VyZSB5b3UgZG9uJ3QgaGF2ZSBhIHNob3J0IGhlcmUgYmVmb3JlIH1vdSBjb25kZW1uIHRoZSBwb3d1ciB0cmFuc2Zvcml1ci4gIEFsdGhvdWdoIHVubGlrZWx5LCBhbHNvIGNoZWNrIGZvciBjYXJib24gdHJhY2tpbmcgb3IgySBzaG9ydCBiZXR3ZWVuIHRoZSBodiBzZWVbmRhcncgbGVhZHMgyYXQgdGh1IHJlY3RpZm11ciBzb2NrZXQuDQoNCkkgaW1hZ2luZSBhIEhhbW1vbmQmJcwSFggd291bGQgZmlsbCB0aGUgYm1sbCBpZiB5b3UgaGF2ZSB0byBidXkgYSBuZXCgb251LiAgT2YgY291cnNlIGlmIH1vdSBhcmUgd2l5bGluZyB0byBzd2l0Y2ggdG8gYSBzb2xpZCBzdGF0ZSBYb2N0aWZpZXIgc2V0dXAgaGh1b5b3UgaGF2ZSBhIGxvdCBvZiBwb3d1ciB0cmFuc2Zvcml1ciBvcHRpb25zIHNPbmNlIH1vdSB3b24ndCBuZVWkIHRoZSA1IHZvbHQgd2luZGluZyBhbmgew91IGNvdWxkIGFsc28gdXNlIGEGznVsbCB3YXZlIGJyaWRnZSBzZXR1cCB0aHVzIGF2b2lkaW5nIHRoZSBuZVWkIGZvciBhIGN1bnRlciB0YXBwZWQgc2Vjb25kYXJ5Lg0KDQpSb2RnZXIgc2V1E5RQ0KDQo+IC0tLS0tT3JpZ2luYWwgTWVzc2FnZS0tLS0tDQo+IEZyb206IG93bmVyLWJvYXRhbmNob3JzQHRoZXBvcmlmNvbSBbbWVpHRvOm93bmVyLQ0KPibib2F0YW5jaG9yc0B0aGVwb3JjaC5jb21dIE9uIEJlaGFsZiBPZiBHdWlkbnw0KPiBTZW500iBXZWRuZXNkYXksIE9jdG9iZXIgmTQsIDIWMDkgOToxMCBBTQ0KPiBubzogT2xkIFR1YmUgUmFkaW9zDQo+IFN1Ymp1Y3Q6IFJlOiBUTUMtR1BSOTANCj4gDQo+IFRoYW5rcyBhbGwgZm9yIHRoZSBuaWNlIGNvbW11bnRzLiBJJGNSZWFuZWQgdGh1IEdQUiB5ZXN0ZXJkYXkgYW5kIGZvdW5kDQo+IGENCj4gbWFqb3IgcHJvYmx1bS4gVGh1IHVvd2VyIHRyYW5zZm9ybWVyIHByaW1hcncgaXMc2hvcnRlZC4gVGh1DQo+IHRyYW5zZm9ybWVyIHdhcw0KPiB0ZXN0ZWQgd2l0aCB0dWJlcyBvdXQgYW5kIGEGdmFyaWFjIHRvIGJyaW5nIGl0IHVwIGNhcmVmdWxseS4gRXZlbiBhdA0KPiBsZXNzDQo+IHRoYW4gOTBBQyBpdCBzdGFydGVkIHRvIGJsb3cgY3V0IHRoZSAyIGFtcCBmdXNlLiBUaGlzIHRyYW5zZm9ybWVyIGl0IGENCj4gmjc1LTAYnZUgYXQgMTAwbWESIDVWIGF0IDNhbXBzIGFuZCA2ViBhdCA1LjY1QS4gQW55b251IGdvdCBzb21ldGhpbmcNCj4gc2ltaWxhcG0KPiBiZWVcmUgSSBwbHVuZ2UgaW50byBhIG5ldyBvbmU/DQo+IEFuZCBpdCB3YXMgc3VjaCBhIG5pY2UgZmluZCENCj4gQmVzdCA3M3MNCj4gR3VpZG8gS1A0RkFSDQoNCg==

-----  
Date: Wed, 14 Oct 2009 11:20:25 -0400 (EDT)  
From: John Poulton <jp@cs.unc.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: TMC-GPR90  
Message-ID: <Pine.LNX.4.64.0910141112390.1054@swan5.cs.unc.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII; format=flowed

Guido, and the group,

This is an extremely common problem in GPR-90's. I've "gone through" about a dozen of these receivers, and well over half of them had blown power transformers. I've had good success using Transformer Rewinding Service in Orono, ME. Gary does a \*great\* job and knows these particular transformers all too well, having rebuilt about a half-dozen of them for me. Be sure to ask him to wind the primary for 125V (instead of the

original  
115V). The other components in the radio will thank you :) So, send Gary your  
transformer,  
wait a few weeks, and you're back in business.

At \$150 or less (you'll have to ask Gary for latest prices), you're STILL way  
ahead of  
the curve for this particular receiver.

Another fairly common problem that you may encounter: dead crystal at the 2nd  
mixer.  
If so, please ask, and I'll send you the specs for this item. It operates in a  
series-  
resonant mode. I have the "fixture capacitance" somewhere in my notes. Getting  
TO the  
xtal is another story.. it's an 'interesting' problem, but one that's fairly easy  
to  
solve :)

And, of course, you can download a free manual from:

<http://jptronics.org/radios/TMC/manuals/>

73, John K4OZY

On Wed, 14 Oct 2009, Guido wrote:

> Thanks all for the nice comments. I cleaned the GPR yesterday and found a  
> major problem. The power transformer primary is shorted. The transformer was  
> tested with tubes out and a variac to bring it up carefully. Even at less  
> than 90AC it started to blow out the 2 amp fuse. This transformer is a  
> 275-0275 at 100ma, 5V at 3amps and 6V at 5.65A. Anyone got something similar  
> before I plunge into a new one?  
> And it was such a nice find!  
> Best 73s  
> Guido KP4FAR  
>  
>

--

-----  
From: wb3fau@att.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Guido" <laffitte@prtc.net>  
Subject: Re: TMC-GPR90  
Date: Wed, 14 Oct 2009 23:38:23 +0000

Message-Id:

<101420092338.686.4AD660EF00097F9F000002AE22243323629B0A02D29B9B0EBF9A0E00CC0D99@att.net>

You might try Fair Radio Sales, a tranny from a SP-600 might be a good sub? Russ.

-----  
Message-ID: <6724E8AFF35F42E5A931D2DD7F3F703F@boudreaux>

From: "David Stinson" <arc5@ix.netcom.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Thank You, Mr. R-390 THIEF

Date: Wed, 14 Oct 2009 21:53:12 -0500

MIME-Version: 1.0

Content-Type: text/plain;

format=flowed;

charset="iso-8859-1";

reply-type=original

Content-Transfer-Encoding: 7bit

I had two nice, 6-foot Navy gray R-390 mounting racks in my yard in Nevada, Texas. The heavy steel 4-square ones with the solid bottoms. One even still had its nomenclature plate. I made the mistake of saying I was going to work out a trade on one of the local Dallas repeaters (stupid me) :-\. Well, they walked away one dark night. Lots of other things a common thief would want were untouched; he took only the racks.

So.... if you see an R-390 person bragging about his two new racks, please tell him that, when he gets through pimping his mother to Mexican sailors for ten pesos each, he might drop me an email and let me know how he likes his racks.

He'll be back.... thieves always over-reach...

This is Texas.... my 12-gauge will be waiting.....

-----  
Message-ID: <4AD77903.5030008@ar88.net>

Date: Thu, 15 Oct 2009 15:33:23 -0400

From: Al Klase <al@ar88.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: BC-186

Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

Gang,

A recent rearrangement of the radio collection has me considering waking up my BC-186. This is the TRF-autodyne receiver that is part of the SCR-178 mule-pack station. My set was partially modified, and has octal sockets where the 30's are supposed to go. I have replacement sockets, but there are some other problems lurking here.

RF transformer, T-2, Type C-134, has an open winding and is resisting coming out of its can. Does anyone have a spare? For that matter, are there other coils for this receiver beyond the 2400-3700 KC range?

I'm also in the market for the 5-pin power connector.

Nice pix on NS1W's page if you're curious:  
<http://people.csail.mit.edu/sw/html/NS1W/scr-178.html>

Thanks,  
Al

--

Al Klase - N3FRQ  
Jersey City, NJ  
<http://www.skywaves.ar88.net/>

-----  
Message-ID: <BB7EF5A0180D416E9890B6442950FCBE@userd0315415c7>  
From: "Michael Hardie" <mike46@shaw.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: R-388 Meter Problem  
Date: Thu, 15 Oct 2009 16:33:11 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
    format=flowed;  
    charset="iso-8859-1";  
    reply-type=original  
Content-Transfer-Encoding: 7bit

The meter on my R-388 does not respond to any strength signal. The meter works normally with the meter switch in the output position. With the meter switch in the input position the meter deflection is zero with RF gain wide open, and as the RF gain is decreased to zero the meter deflection goes proportionally to 100, position of the AVC switch has no effect. Resistance and voltage measurements around V110 and V111 are normal, the tubes have been checked OK. The alignment is dead on so far as I can tell, same indications on all bands, reception of stations is fine, except the meter stays at zero. Any help on where to go from here will be appreciated. The

bench has the usual test gear.

Mike VE7MMH

-----  
Message-ID: <4AD7B767.5070206@ar88.net>  
Date: Thu, 15 Oct 2009 19:59:35 -0400  
From: Al Klase <al@ar88.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: R-388 Meter Problem  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

And, the receiver works normally, i.e. has normal AVC action with the AVC switch in the "ON" position with RF GAIN wide open? I doubt it. The fact that the meter responds to the RF GAIN controls says to me that the meter circuit is functioning properly, Do you see AVC voltage on the V111 side of the switch? Bad switch?

Al

Michael Hardie wrote:

> The meter on my R-388 does not respond to any strength signal. The  
> meter works normally with the meter switch in the output position.  
> With the meter switch in the input position the meter deflection is  
> zero with RF gain wide open, and as the RF gain is decreased to zero  
> the meter deflection goes proportionally to 100, position of the AVC  
> switch has no effect. Resistance and voltage measurements around V110  
> and V111 are normal, the tubes have been checked OK. The alignment is  
> dead on so far as I can tell, same indications on all bands, reception  
> of stations is fine, except the meter stays at zero. Any help on  
> where to go from here will be appreciated. The bench has the usual  
> test gear.  
>  
> Mike VE7MMH

--  
Al Klase - N3FRQ  
Jersey City, NJ  
<http://www.skywaves.ar88.net/>

-----  
Message-ID: <60F8FC4EF36D43D680B80D5DC1C6D2FE@ToughBookLaptop>  
From: "WA3GIN" <wa3gin@comcast.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: LOOKING FOR NC-100A

Date: Thu, 15 Oct 2009 20:04:21 -0400  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_0074\_01CA4DD2.AF2AA940"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0074\_01CA4DD2.AF2AA940  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Please contact direct.

Thanks,  
dave  
wa3gin

-----=\_NextPart\_000\_0074\_01CA4DD2.AF2AA940  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
* (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=\_NextPart\_000\_0074\_01CA4DD2.AF2AA940--

-----  
Message-ID: <D99D746AA3B54941917714D1EF1C14DD@userd0315415c7>  
From: "Michael Hardie" <mike46@shaw.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Al Klase" <al@ar88.net>  
Subject: R-388 Meter Problem 2  
Date: Thu, 15 Oct 2009 18:48:21 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
format=flowed;  
charset="iso-8859-1";  
reply-type=original  
Content-Transfer-Encoding: 7bit

Thanks Al for your suggestion, the problem is almost certainly AVC related.  
Using an RF generator at 10 Mcs a signal can be heard at a fraction of a

microvolt at the antenna terminal, so the sensitivity is OK. But there's no AVC action until around 50 uV with the meter indication starting to deflect with the AVC action starting. I guess there are two possibilities, either AVC voltage is late being developed or the voltage is being drained off by a leaky cap or something similar. Are there any "usual suspects"?

Mike VE7MMH

-----  
Message-ID: <24129362.1255658970468.JavaMail.root@elwamui-milano.atl.sa.earthlink.net>  
Date: Thu, 15 Oct 2009 22:09:30 -0400 (EDT)  
From: spr@earthlink.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: R-388 Meter Problem 2  
Cc: Al Klase <al@ar88.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=UTF-8  
Content-Transfer-Encoding: 7bit

Hi Mike,

If the receiver has delayed AVC, the delay voltage is probably determined by a resistive divider. You might wish to check those resistors to see that they are still reasonably accurate.

I've also had a radio with poor avc action and a strong signal overload problem in which a 20 pF mica cap from detector diode plate to ACV rectifier diode plate was essentially open.

Good luck!

/scott

-----Original Message-----

>From: Michael Hardie <mike46@shaw.ca>  
>Sent: Oct 15, 2009 9:48 PM  
>To: Old Tube Radios <boatanchors@theporch.com>  
>Cc: Al Klase <al@ar88.net>  
>Subject: R-388 Meter Problem 2  
>

>Thanks Al for your suggestion, the problem is almost certainly AVC related.  
>Using an RF generator at 10 Mcs a signal can be heard at a fraction of a  
>microvolt at the antenna terminal, so the sensitivity is OK. But there's no  
>AVC action until around 50 uV with the meter indication starting to deflect  
>with the AVC action starting. I guess there are two possibilities, either  
>AVC voltage is late being developed or the voltage is being drained off by a  
>leaky cap or something similar. Are there any "usual suspects"?



>  
>Mike VE7MMH  
>

-----  
Message-ID: <4AD7E3FD.1030904@ar88.net>  
Date: Thu, 15 Oct 2009 23:09:49 -0400  
From: Al Klase <al@ar88.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: R-388 Meter Problem 2  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

Mike,

You may want to read this (my website): "RECOGNIZING AND DEALING WITH  
AVC PROBLEMS"  
<http://www.skywaves.ar88.net/commrx/Maintenance/agc.htm>

Lod luck,  
Al

Michael Hardie wrote:

> Thanks Al for your suggestion, the problem is almost certainly AVC  
> related. Using an RF generator at 10 Mcs a signal can be heard at a  
> fraction of a microvolt at the antenna terminal, so the sensitivity is  
> OK. But there's no AVC action until around 50 uV with the meter  
> indication starting to deflect with the AVC action starting. I guess  
> there are two possibilites, either AVC voltage is late being developed  
> or the voltage is being drained off by a leaky cap or something  
> similar. Are there any "usual suspects"?  
>  
> Mike VE7MMH

--  
Al Klase - N3FRQ  
Jersey City, NJ  
<http://www.skywaves.ar88.net/>

-----  
Message-Id: <57A8CA3F-E08F-4B12-BCA1-9F766E28FC8D@aol.com>  
From: mac <w7qho@aol.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: text/plain; charset=US-ASCII; format=flowed; delp=yes  
Content-Transfer-Encoding: 7bit  
Mime-Version: 1.0 (Apple Message framework v936)

Subject: Re: R-388 Meter Problem 2  
Date: Thu, 15 Oct 2009 21:14:03 -0700

Mike asks are there any "usual suspects?" Good question. The AGC circuit in the R388 (and 51J3) includes no less than two triodes, 11 resistors and 6 caps. In addition, almost impossible to trace out and visualize when looking at the schematic in the TM. A schematic for the 51J3 from Sams Photofact lays the circuit in a MUCH better way.

Looking at the circuit, it appears that the rectified signal from the last IF stage would have to reach a peak value of 5 or 6 volts before AGC would cut in but don't know what this would equate to at the antenna input. Best to get hold of a manual (I only have schematics), check out just what the AGC specifications are and go from there.

Dennis D. W7QHO  
Glendale, CA

On Oct 15, 2009, at 6:48 PM, Michael Hardie wrote:

> Thanks Al for your suggestion, the problem is almost certainly AVC  
> related. Using an RF generator at 10 Mcs a signal can be heard at a  
> fraction of a microvolt at the antenna terminal, so the sensitivity  
> is OK. But there's no AVC action until around 50 uV with the meter  
> indication starting to deflect with the AVC action starting. I  
> guess there are two possibilites, either AVC voltage is late being  
> developed or the voltage is being drained off by a leaky cap or  
> something similar. Are there any "usual suspects"?  
>  
> Mike VE7MMH

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End of BOATANCHORS Digest 4292  
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